Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-30-78** **Date: 06/02/2021**

Project Name : Construction of Ward Office in Ward No.05, Byatarayanapura

Agency : Sri.S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Customer's Reference : EE(Project)/Ynk Zone/WO/97/2020-21

Date of Receipt : 11-01-21

Customer ID : FF Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Roof Concrete	M25	09/01/2021	06/02/2021	149.91 X 151.59 X 151.09	22724	**8.810**	627.9	27.6	27.6
2	FF Roof Concrete	M25	09/01/2021	06/02/2021	149.81 X 151.82 X 149.96	22745	**8.575**	593.3	26.1	
3	FF Roof Concrete	M25	09/01/2021	06/02/2021	150.69 X 149.14 X 151.73	22475	**8.480**	651.6	29.0	

The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-30-78** **Date: 16/01/2021**

Project Name : Construction of Ward Office in Ward No.05, Byatarayanapura

Agency : Sri.S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Customer's Reference : EE(Project)/Ynk Zone/WO/97/2020-21

Date of Receipt : 11-01-21

Customer ID : FF Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Roof Concrete	M25	09/01/2021	16/01/2021	150.50 X 150.76 X 150.07	22690	**8.772**	526.7	23.2	22.9
2	FF Roof Concrete	M25	09/01/2021	16/01/2021	150.26 X 150.85 X 149.44	22666	**8.381**	513.2	22.6	
3	FF Roof Concrete	M25	09/01/2021	16/01/2021	151.67 X 151.21 X 149.18	22933	**8.828**	524.8	22.9	

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 06/02/2021

Lab ID	:	**CP-2020-12-30-78**
Project Name	:	Construction of Ward Office in Ward No.05, Byatarayanapura
Agency	:	Sri.S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Customer's Reference	:	EE(Project)/Ynk Zone/WO/97/2020-21
Date of Receipt	:	11-01-21
Customer ID	:	FF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Roof Concrete	M25	09/01/2021	06/02/2021	151.40 X 150.29 X 151.63	22754	8.810	618.3	27.2	27.2
2	FF Roof Concrete	M25	09/01/2021	06/02/2021	149.36 X 149.08 X 150.82	22266	8.575	585.4	26.3	
3	FF Roof Concrete	M25	09/01/2021	06/02/2021	150.37 X 150.53 X 149.12	22636	8.480	635.5	28.1	

Results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2020-12-30-78** **Date: 15-01-21**

Project Name : Construction of Ward Office in Ward No.05, Byatarayanapura

Agency : Sri.S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Customer's Reference : EE(Project)/Ynk Zone/WO/97/2020-21

Date of Receipt : 12-01-21

Sample Type : Fine Aggregate, M.Sand for Mortar

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 12-01-21

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	285	28.5	71.5	70-100
4	600 micron	146	431	43.1	56.9	40-100
5	300 micron	116.5	547.5	54.8	45.3	5-70
6	150 micron	412.5	960	96.0	4.0	0-15
7	Pan	40	1000	100.0	0.0	0

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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2020-12-30-78** **Date: 15-01-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.18	–
2	Specific Gravity	2.51	–
3	Material finer than 75 micron(%)	12.2	Crushed Fine aggregate Max 15%
4	*Compacted Bulk Density (Kg/litre)	1.90	–
5	*Loose Bulk Density (Kg/litre)	1.73	–

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/2017

TEST REPORT FOR PLASTER SAND

Lab ID : CP-2020-12-30-78 **Date: 16-01-21**

Project Name : Construction of Ward Office in Ward No.05, Byatarayanapura

Agency : Sri.S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Customer's Reference : EE(Project)/Ynk Zone/WO/97/2020-21

Date of Receipt : 12-01-21

Sample Type : Plaster Sand

Reference to BIS codes : IS: 383 : 2016 (Specification for Coarse and fine Aggregates)
IS1542:1992 (Sand for Plaster - Specification)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 12-01-21

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	15	50	5	95	95-100
4	1.18 mm	50	100	10	90	90-100
5	600 micron	100	200	20	80	80-100
6	300 micron	215	415	41.5	58.5	20-65
7	150 micron	500	915	91.5	8.5	0-15
8	Pan	85	1000	100	0	---

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2020-12-30-78** **Date: 16-01-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.8	–
2	Specific Gravity	2.56	–
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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